

Instruction manual

Laminate Trimmer



**MODEL
310**

IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

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visit our website at:

<http://www.porter-cable.com>

PORTER-CABLE
PROFESSIONAL POWER TOOLS

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections.

DANGER

indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING


indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION

used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

 **WARNING** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints
- crystalline silica from bricks and cement and other masonry products
- arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, always wear MSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

Read All Instructions.



⚠ WARNING Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS.

GROUNDING INSTRUCTIONS

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with a 3-conductor cord and 3-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

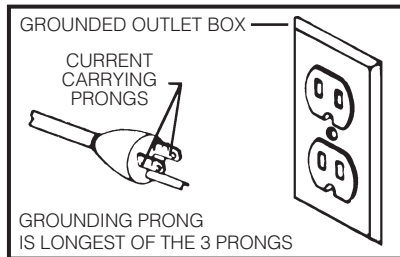


Fig. A

If your unit is for use on less than 150 V, it has a plug that looks like that shown in Figure (A).

If it is for use on 150 to 250 V, it has a plug that looks like that shown in Figure (C).

An adapter, see Figure (B) is available for connecting Figure (B) type plugs to 2-prong receptacles. The green-colored rigid ear, lug, or the like, extending from the adapter must be connected to a permanent ground, such as a properly grounded outlet box. No adapter is available for a plug as shown in Figure (C).

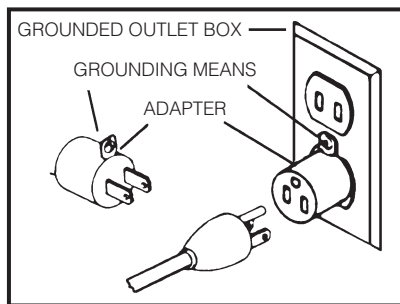


Fig. B

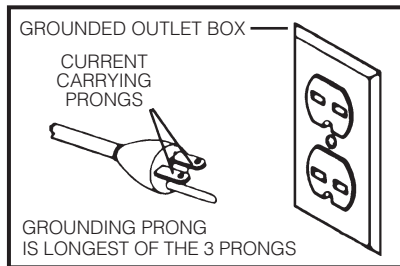


Fig. C

EXTENSION CORDS

Use only 3-wire extension cords that have 3-prong grounding-type plugs and 3-pole receptacles that accept the tool's plug. Replace or repair damaged cords.

- 1. Keep Work Area Clean.** Cluttered areas and benches invite injuries.
- 2. Consider Work Area Environment.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Do not use tool in presence of flammable liquids or gases.
- 3. Guard Against Electric Shock.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
- 4. Keep Children Away.** Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
- 5. Store Idle Tools.** When not in use, tools should be stored in dry, and high or locked-up place – out of reach of children.
- 6. Don't Force Tool.** It will do the job better and safer at the rate for which it was intended.
- 7. Use Right Tool.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended – for example – don't use circular saw for cutting tree limbs or logs.
- 8. Dress Properly.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 9. Use Safety Glasses.** Also use face or dust mask if cutting operation is dusty.
- 10. Don't Abuse Cord.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 11. Secure Work.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 12. Don't Overreach.** Keep proper footing and balance at all times.
- 13. Maintain Tools With Care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- 14. Disconnect Tools.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
- 15. Remove Adjusting Keys and Wrenches.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 16. Avoid Unintentional Starting.** Don't carry tool with finger on switch. Be sure switch is off when plugging in.
- 17. Extension Cords.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The **EXTENSION CORD SELECTION** table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.
- 18. Outdoor Use Extension Cords.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

19. Stay Alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired.

20. Check Damaged Parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

SAVE THESE INSTRUCTIONS

ADDITIONAL SPECIFIC SAFETY RULES

1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.

2. Use recommended accessories only. The use of improper accessories may cause risk of personal injury.

3. Use certified safety equipment. Eye protection equipment should comply with ANSI Z87.1 standards, hearing equipment should comply with ANSI S3.19 standards, and dust mask protection should comply with MSHA/NIOSH certified respirator standards.

4. Never adjust depth of cut while motor is running. A slip at this time may cause personal injury, or damage to cutter or workpiece.

5. Be sure cord set is free and will not “hang up” during trimming operations.

6. Keep hands clear of cutter when motor is running to prevent personal injury.

7. Maintain firm grip on trimmer when starting motor to resist starting torque.

8. Stay alert and keep cutter clear of all foreign objects while motor is running.

9. Be sure motor has completely stopped before setting machine down between operations.

10. Never touch bit immediately after use, as it may be extremely hot.









11. Do not use Laminate Trimmer motor without the Laminate Trimmer Base installed. Loss of control could result, causing personal injury, or damage to work.

12. Some wood contains preservatives which can be toxic. Take extra care to prevent inhalation and skin contact when working with these materials. Request, and follow, any safety information available from your material supplier.

⚠ WARNING There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

Technical Service Manager
Porter-Cable Corporation
4825 Highway 45 North
Jackson, TN 38305

SYMBOLS

| SYMBOL | DEFINITION |
|--|--|
| V | volts |
| A | amperes |
| Hz | hertz |
| W | watts |
| kW | kilowatts |
| μF | microfarads |
| l | liters |
| kg | kilograms |
| N/cm ² | newtons per square centimeter |
| Pa | pascals |
| h | hours |
| min | minutes |
| s | seconds |
|  | alternating current |
| 3  | three-phase alternating current |
| 3N  | three-phase alternating current with neutral |
|  | direct current |
| n_0 | no load |
|  | alternating or direct current |
|  | Class II Construction |
|  | splash-proof construction |
|  | watertight construction |
| .../min | revolutions or reciprocation per minute |

REPLACEMENT PARTS

When servicing use only identical replacement parts.

MOTOR

Many Porter-Cable tools will operate on either D.C., or single phase 25 to 60 cycle A.C. current and voltage within plus or minus 5 percent of that shown on the specification plate on the tool. Several models, however, are designed for A.C. current only. Refer to the specification plate on your tool for proper voltage and current rating.

CAUTION Do not operate your tool on a current on which the voltage is not within correct limits. Do not operate tools rated A.C. only on D.C. current. To do so may seriously damage the tool.

EXTENSION CORD SELECTION

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop which will cause loss of power and possible motor damage. A table of recommended extension cord sizes will be found in this section. This table is based on limiting line voltage drop to 5 volts (10 volts for 230 volts) at 150% of rated amperes.

If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example – SJTW-A to indicate it is acceptable for outdoor use.

RECOMMENDED EXTENSION CORD SIZES FOR USE WITH PORTABLE ELECTRIC TOOLS

| | | Length of Cord in Feet | | | | | | | | |
|-------------------------|-------|------------------------|---------|---------|---------|---------|---------|---------|---------|----------|
| Nameplate Ampere Rating | 115V | 25 Ft. | 50 Ft. | 100 Ft. | 150 Ft. | 200 Ft. | 250 Ft. | 300 Ft. | 400 Ft. | 500 Ft. |
| | 230V | 50 Ft. | 100 Ft. | 200 Ft. | 300 Ft. | 400 Ft. | 500 Ft. | 600 Ft. | 800 Ft. | 1000 Ft. |
| | 0-2 | 18 | 18 | 18 | 16 | 16 | 14 | 14 | 12 | 12 |
| | 2-3 | 18 | 18 | 16 | 14 | 14 | 12 | 12 | 10 | 10 |
| | 3-4 | 18 | 18 | 16 | 14 | 12 | 12 | 10 | 10 | 8 |
| | 4-5 | 18 | 18 | 14 | 12 | 12 | 10 | 10 | 8 | 8 |
| | 5-6 | 18 | 16 | 14 | 12 | 10 | 10 | 8 | 8 | 6 |
| | 6-8 | 18 | 16 | 12 | 10 | 10 | 8 | 6 | 6 | 6 |
| | 8-10 | 18 | 14 | 12 | 10 | 8 | 8 | 6 | 6 | 4 |
| | 10-12 | 16 | 14 | 10 | 8 | 8 | 6 | 6 | 4 | 4 |
| | 12-14 | 16 | 12 | 10 | 8 | 6 | 6 | 6 | 4 | 2 |
| | 14-16 | 16 | 12 | 10 | 8 | 6 | 6 | 4 | 4 | 2 |
| | 16-18 | 14 | 12 | 8 | 8 | 6 | 4 | 4 | 2 | 2 |
| | 18-20 | 14 | 12 | 8 | 6 | 6 | 4 | 4 | 2 | 2 |

FUNCTIONAL DESCRIPTION

FOREWORD

The Porter-Cable Model 310 Laminate Trimmer is designed for trimming laminated plastics, phenolics and other similar materials having a bonding agent too hard to be trimmed with ordinary tools.

ASSEMBLY

SELECTING THE BIT

The Model 310 is equipped with a 1/4" diameter collet to accept laminate trimming bits with 1/4" diameter shanks.

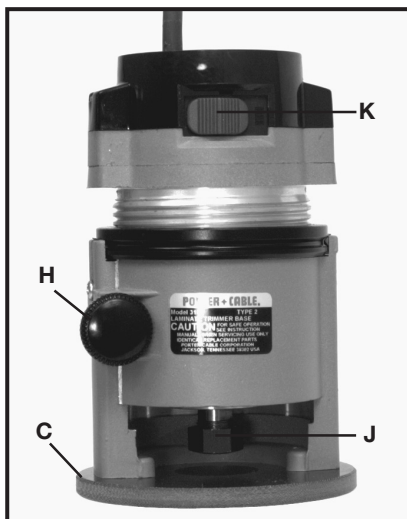
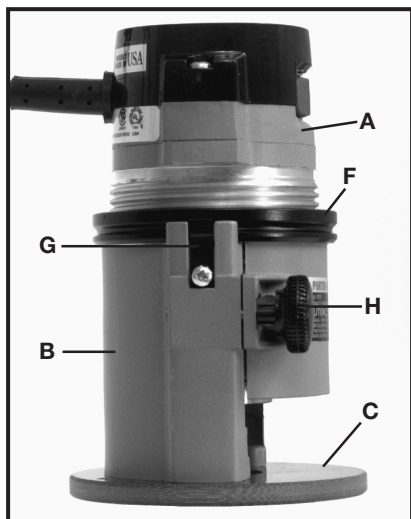


Fig. 1

- A** – Motor Unit
- B** – Base Unit
- C** – Sub-Base
- F** – Depth Adjusting Ring

- G** – Ring Spring
- H** – Clamp Knob
- J** – Collet Nut
- K** – Switch

TO INSTALL BIT

1. **⚠ WARNING** **DISCONNECT TOOL FROM POWER SOURCE.**
2. Remove power unit from base unit as follows:
 - a. Loosen clamping knob (H) Fig. 1.
 - b. Grasp power unit (A) Fig. 1, and pull straight up and out of the base unit (B) Fig. 1. This will also release the depth adjusting ring (F) Fig. 1, from ring springs (G) Fig. 1.
3. Lay power unit on bench with collet toward you.
4. Clean and insert shank of bit into collet until end of shank bottoms. Then pull out approximately $\frac{1}{16}$ ".
5. Place one wrench on flats of shaft directly above collet nut (J) Fig. 1. Let far end of wrench rest on bench to your RIGHT.
6. Place other wrench on collet nut (J) Fig. 1, and turn clockwise to tighten. **TIGHTEN SECURELY.**

TO REMOVE THE BIT

⚠ WARNING **NEVER TOUCH BIT IMMEDIATELY AFTER USE, AS IT MAY BE EXTREMELY HOT.**

1. Repeat Steps 1 through 3 under TO INSTALL BIT.
2. Place one wrench on flats of shaft directly above collet nut (J) Fig. 1. Let far end of wrench rest on bench to your LEFT.
3. Place other wrench on collet nut and turn counterclockwise and loosen only enough to allow removal of bit. **NEVER TIGHTEN COLLET NUT WITHOUT BIT IN COLLET.** This may allow collet to deform and weaken clamping ability.

ADJUSTING BIT EXPOSURE

1. **⚠ WARNING** **DISCONNECT TOOL FROM POWER SOURCE.**
 2. With power unit removed from base unit, turn depth adjusting ring to position ring approximately six threads from top of power unit.
 3. Insert power unit into base unit, aligning one of the grooves in the motor housing with the pin protruding from inner wall of the base. Proceed until ring springs snap into groove in depth adjusting ring.
 4. Viewing power unit from top, turn depth adjusting ring clockwise to decrease depth of cut, or counterclockwise to increase depth of cut.
- NOTE:** For convenience in making slight adjustments, a marker can be found on the base next to the ring spring. The depth adjusting ring is graduated with eight equally spaced lines each representing $\frac{1}{64}$ " change in depth of cut, (when rotated in relation to the marker). One complete turn of the ring changes the depth of cut $\frac{1}{8}$ ".
5. **USING ONLY FINGER PRESSURE, TIGHTEN CLAMPING KNOB.**
 6. Make a practice cut on a piece of scrap material (see USING A LAMINATE TRIMMER).

OPERATION

USING A LAMINATE TRIMMER

1. Material to be trimmed must overhang the base material by a least $\frac{1}{8}$ ".
2. **⚠ WARNING** Always wear ansi Z87.1 safety glasses while operating a laminate trimmer.
3. **⚠ WARNING** DISCONNECT TOOL FROM POWER SOURCE.
4. Firmly grasp motor housing being sure switch is in the "OFF" position.
5. Verify bit is clear of foreign objects and cord will not "hang up" on any obstructions.
6. Be sure workpiece is firmly held in place. Use clamps where necessary to secure workpiece.
7. Plug in power supply cord. Be alert to resist starting torque of motor. Turn motor "ON".
8. Allow motor to reach "full speed". Place base of trimmer on surface to be trimmed and feed into work until bit pilot contacts base materials. When guiding on a previously laminated surface, always wax or lubricate the area that the trimmer will guide against.
9. Feed from left to right with smooth steady motion.
10. At completion of trimming operation, turn switch "OFF". Allow motor to come to a complete stop before laying trimmer down.

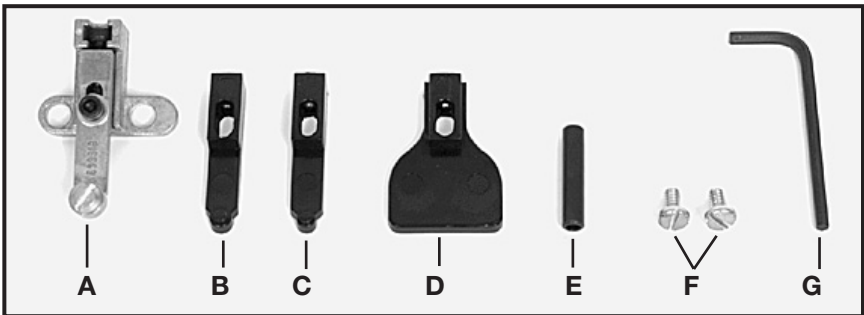


Fig. 2

EDGE GUIDES

73100 EDGE GUIDE KIT

The Model 73100 Edge Guide Kit is available (as an accessory), for use with the Model 310 trimmer. The 73100 is designed for use with non-piloted bits, on curved applications. Non-piloted bits can produce a 90° straight cut, a 10° bevel cut, or a 22° bevel cut. The kit contains the parts shown in Fig. 2. Install the 73100 guide as follows:

- A – Base and roller guide - for use with non-piloted bits
- B – Edge guide – for flush trimming
- C – Edge guide – for bevel trimming
- D – Straight edge guide – for straight trimming
- E – Guide setting gauge
- F – Mounting screws
- G – Wrench

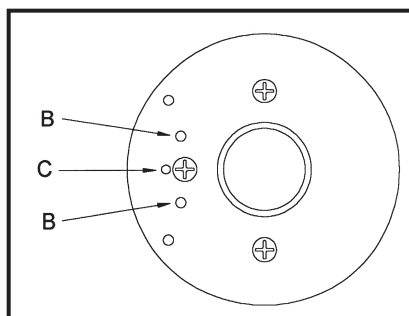


Fig. 3

ASSEMBLING AND ADJUSTING BASE AND ROLLER (73100)

1. **⚠ WARNING DISCONNECT TOOL FROM POWER SOURCE.**
2. Remove power unit from base unit (see TO INSTALL BIT), and install the bit.
3. Position the base and roller guide assembly (A) Fig. 2, to the base unit. The alignment pin on the back of the guide base fits into hole (C) Fig. 3.
4. Place the two mounting screws (F) Fig. 2, through the guide base and thread into sub-base holes (B) Fig. 3. Tighten screws firmly.
5. Install motor to base and adjust bit exposure (see ADJUSTING BIT EXPOSURE).

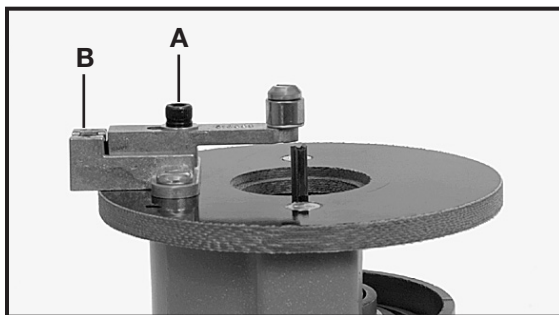


Fig. 4

NOTE: For FLUSH CUTS, adjust bit exposure so that the straight cutting edge (of bit) will engage the work. For BEVEL CUTS, adjust bit exposure so that the angled cutting edge (of bit), will engage the work.

6. Align roller guide with bit by loosening locking screw (A) Fig. 4, and turning adjusting screw (B) Fig. 4, (with hex wrench provided), until guide is in desired location.

NOTE: For FLUSH CUTS, align roller with straight portion of bit. For BEVEL CUTS, adjust roller to expose the desired amount of the bevel bit.

7. Tighten locking screw and make a trial cut on scrap material to check alignment. Readjust if necessary.

FLUSH TRIMMING

1. **⚠ WARNING** **DISCONNECT TOOL FROM POWER SOURCE.**
2. Attach base and guide to trimmer as outlined under ASSEMBLING AND ADJUSTING BASE AND ROLLER.
3. Remove roller guide and replace with flush trimming guide (B) Fig. 2. This guide may be identified by the molded on letter "F". The stud on the end of this guide must face toward the trimmer base.
4. Install guide setting gauge (E) Fig. 2, into trimmer collet (see TO INSTALL BIT). Install trimmer motor to base. Adjust guide so that hole in end of gauge may be positioned over the guide stud.
5. Remove guide setting gauge from trimmer and install flush trimming bit.
6. Adjust depth of cut so that the straight portion of the bit extends below the trimmer base at least the thickness of the material to be trimmed.
7. Make a trial cut on scrap material. Readjust if necessary.

BEVEL TRIMMING

1. Follow Steps 1 through 5 under FLUSH TRIMMING, except install bevel trimming guide (C) Fig. 2. This guide is identified by the letter "B" molded onto it.
2. Adjust depth of cut so that only the bevel portion of the bit extends below trimmer base at least the thickness of the material to be trimmed.
3. Make a trial cut on scrap material to check alignment. Readjust if necessary.

USING STRAIGHT EDGE GUIDE

The straight edge guide (D) Fig. 2, maybe used with either bit for trimming straight edges.

Assemble it to the guide base and adjust similar to the other guides.

MAINTENANCE

KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

⚠ WARNING Wear ANSI Z87.1 safety glasses while using compressed air.

FAILURE TO START

Should your tool fail to start, check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

LUBRICATION

This tool has been lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. No further lubrication is necessary.

BRUSH INSPECTION AND LUBRICATION

For your continued safety and electrical protection, brush inspection and replacement on this tool should ONLY be performed by an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE•DELTA FACTORY SERVICE CENTER.

At approximately 100 hours of use, take or send your tool to your nearest authorized Porter-Cable Service Station to be thoroughly cleaned and inspected. Have worn parts replaced and lubricate with fresh lubricant. Have new brushes installed, and test the tool for performance.

Any loss of power before the above maintenance check may indicate the need for immediate servicing of your tool. DO NOT CONTINUE TO OPERATE TOOL UNDER THIS CONDITION. If proper operating voltage is present, return your tool to the service station for immediate service.

SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement, should ONLY be performed by either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE•DELTA FACTORY SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any

ACCESSORIES

time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

A complete line of accessories is available from your Porter-Cable • Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site www.porter-cable.com for a catalog or for the name of your nearest supplier.

⚠ WARNING Since accessories other than those offered by Porter-Cable•Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Porter-Cable•Delta recommended accessories should be used with this product.

PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its Professional Power Tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

PORTER-CABLE • DELTA SERVICE CENTERS (CENTROS DE SERVICIO DE PORTER-CABLE • DELTA) (CENTRE DE SERVICE PORTER-CABLE • DELTA)

Parts and Repair Service for Porter-Cable • Delta Power Tools are Available at These Locations
(Obtenga Refacción de Partes o Servicio para su Herramienta en los Sigüientes Centros de Porter-Cable • Delta)
(Locations où vous trouverez les pièces de rechange nécessaires ainsi qu'un service d'entretien)

ARIZONA

Tempe 85282 (Phoenix)
2400 West Southern Avenue
Suite 105
Phone: (602) 437-1200
Fax: (602) 437-2200

CALIFORNIA

Ontario 91761 (Los Angeles)
3949A East Guasti Road
Phone: (909) 390-5555
Fax: (909) 390-5554
San Leandro 94577 (Oakland)
3039 Teagarden Street
Phone: (510) 357-9762
Fax: (510) 357-7939

COLORADO

Arvada 80003 (Denver)
8175 Sheridan Blvd., Unit S
Phone: (303) 487-1809
Fax: (303) 487-1868

FLORIDA

Davis 33314 (Miami)
4343 South State Rd. 7 (441)
Unit #107
Phone: (954) 321-6635
Fax: (954) 321-6638
Tampa 33609
4538 W. Kennedy Boulevard
Phone: (813) 877-9585
Fax: (813) 289-7948

GEORGIA

Forest Park 30297 (Atlanta)
5442 Frontage Road,
Suite 112
Phone: (404) 608-0006
Fax: (404) 608-1123

ILLINOIS

Addison 60101 (Chicago)
400 South Rohlwing Rd.
Phone: (630) 424-8805
Fax: (630) 424-8895
Woodridge 60517 (Chicago)
2033 West 75th Street
Phone: (630) 910-9200
Fax: (630) 910-0360

MARYLAND

Elkridge 21075 (Baltimore)
7397-102 Washington Blvd.
Phone: (410) 799-9394
Fax: (410) 799-9398

MASSACHUSETTS

Braintree 02185 (Boston)
719 Granite Street
Phone: (781) 848-9810
Fax: (781) 848-6759

FRANKLIN INDUSTRIAL PARK

Franklin 02038 (Boston)
Franklin Industrial Park
101E Constitution Blvd.
Phone: (608) 520-8802
Fax: (508) 528-8089

MICHIGAN

Madison Heights 48071 (Detroit)
30475 Stephenson Highway
Phone: (248) 597-5000
Fax: (248) 597-5004

MINNESOTA

Minneapolis 55429
5522 Lakeland Avenue North
Phone: (763) 561-9080
Fax: (763) 561-0653

MISSOURI

North Kansas City 64116
1141 Swift Avenue
Phone: (816) 221-2070
Fax: (816) 221-2897

ST. LOUIS

St. Louis 63119
7574 Watson Road
Phone: (314) 968-8950
Fax: (314) 968-2790

NEW YORK

Flushing 11365-1595 (N.Y.C.)
175-25 Horace Harding Expwy.
Phone: (718) 225-2040
Fax: (718) 423-9619

NORTH CAROLINA

Charlotte 28270
9129 Monroe Road, Suite 115
Phone: (704) 841-1176
Fax: (704) 708-4625

OHIO

Columbus 43214
4560 Indianola Avenue
Phone: (614) 263-0929
Fax: (614) 263-1238

CLEVELAND

Cleveland 44125
8001 Sweet Valley Drive
Unit #19
Phone: (216) 447-9030
Fax: (216) 447-3097

OREGON

Portland 97230
4916 NE 122 nd Ave.
Phone: (503) 252-0107
Fax: (503) 252-2123

PENNSYLVANIA

Willow Grove 19090
520 North York Road
Phone: (215) 658-1430
Fax: (215) 658-1433

TEXAS

Carrollton 75006 (Dallas)
1300 Interstate 35 N, Suite 112
Phone: (972) 446-2996
Fax: (972) 446-8157

HOUSTON

Houston 77055
West 10 Business Center
1008 Wirt Road, Suite 120
Phone: (713) 682-0334
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WASHINGTON

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CANADIAN PORTER-CABLE • DELTA SERVICE CENTERS

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